

H78

4-16-02  
P. 2.

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/437,450A

DATE: 11/23/2001

TIME: 15:48:07

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF3\11212001\I437450A.raw

3 <110> APPLICANT: FREEDMAN, JONATHAN H.  
 4 LIAO, VIVIAN H.C.  
 6 <120> TITLE OF INVENTION: STRESSOR REGULATOR GENE  
 8 <130> FILE REFERENCE: 1579-315  
 10 <140> CURRENT APPLICATION NUMBER: 09/437,450A  
 11 <141> CURRENT FILING DATE: 1999-11-10  
 13 <150> PRIOR APPLICATION NUMBER: 60/109,281  
 14 <151> PRIOR FILING DATE: 1998-11-20  
 16 <160> NUMBER OF SEQ ID NOS: 72  
 18 <170> SOFTWARE: PatentIn Ver. 2.1  
 20 <210> SEQ ID NO: 1  
 21 <211> LENGTH: 165  
 22 <212> TYPE: DNA  
 23 <213> ORGANISM: Artificial Sequence  
 25 <220> FEATURE:  
 26 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe  
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 30 tgttggtgtg tttattccct gacctatcca tattcccttc ttccaatct ctaaagatat 120  
 31 aactgaaaac gagttttttg aatacttgat acatttgtct tcatc 165  
 34 <210> SEQ ID NO: 2  
 35 <211> LENGTH: 154  
 36 <212> TYPE: DNA  
 37 <213> ORGANISM: Artificial Sequence  
 39 <220> FEATURE:  
 40 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe  
 42 <400> SEQUENCE: 2  
 43 tggattgtgc ggggtgtact gccaaagtctg gtcgtgatag aaaacatcag gcgatcatgc 60  
 44 ctttacgtgg taagatcctg aacgtcgaaa agcaatggaa cataagatct acgaaaatga 120  
 45 ggagatcaaa aacatgttta cagctttggt ccta 154  
 48 <210> SEQ ID NO: 3  
 49 <211> LENGTH: 264  
 50 <212> TYPE: DNA  
 51 <213> ORGANISM: Artificial Sequence  
 53 <220> FEATURE:  
 54 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe  
 56 <400> SEQUENCE: 3  
 57 tggattgtgc ggagtataag caaaaatttc tggaaaagtc gggatgatag aagtttgata 60  
 58 agatcttcaa tcaaaagctc ggtttcttgt tgttaaaaga ttccgcagga aaatgtctcc 120  
 59 gagagtccgt gtcctcaa ataaattctac gaggcgatca aagaatacga gaaaatggag 180  
 60 acaccagatg agcgattaac aaaagcacga gaaatttatc gatcatcata tacgggtgaa 240  
 61 ttccgtcgcg caatcgtcac actc 264  
 64 <210> SEQ ID NO: 4  
 65 <211> LENGTH: 187  
 66 <212> TYPE: DNA  
 67 <213> ORGANISM: Artificial Sequence  
 69 <220> FEATURE:

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70 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
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73 aaatttttat taaaataaaa taaacatggt tttgttgata ttatagcgtt aaagctgaaa 60
74 tgacaatgat tagaaaacca gcagagaata gagatgatgt tcctttcgtt gttgtttcca 120
75 gtgaacactt gttgcggttg agcccgattt tagcgagtgg tagtttttga tgtgattggt 180
76 tccaatc 187
79 <210> SEQ ID NO: 5
80 <211> LENGTH: 267
81 <212> TYPE: DNA
82 <213> ORGANISM: Artificial Sequence
84 <220> FEATURE:
85 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
87 <400> SEQUENCE: 5
88 tggactcca cctacaagtt ctacaagttc tacgagggtg tcctgatcga tccattccac 60
89 aaggctatcc gtcgtaaccc agacacccaa tggatcacca agcctagttc acaagcaccg 120
90 tgagcaaaga ggactcacct ctgctggacg caagttcgtg gactcggaaa gggattgctt 180
91 ttctctgcta ccgcggagg atcccaacac caaagttttt ccaccgcga accgataaat 240
92 cttgttattt tattttgttt tgggttt 267
95 <210> SEQ ID NO: 6
96 <211> LENGTH: 292
97 <212> TYPE: DNA
98 <213> ORGANISM: Artificial Sequence
100 <220> FEATURE:
101 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
103 <400> SEQUENCE: 6
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105 tgttgttgtc gtttattccc tgaggtatcc atattccgct tctcccaatc tctaaagata 120
106 tacctgaaaa cgagttgtcg tcgaaatact tgatacatgt tgtcttcac cttggtgtatg 180
107 ttgtttcgca aattcttcat actagttatg ataggatttg aatgagctgg cagcagtcga 240
108 ctttgaactc gaatttcaat attttcgtga tcctgcatta agtgatgaat aa 292
111 <210> SEQ ID NO: 7
112 <211> LENGTH: 314
113 <212> TYPE: DNA
114 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
119 <400> SEQUENCE: 7
120 tctgagctag gaggtccagg aggaaacaac ggaggaggtg ctggaaatgg tggattcgac 60
121 gattttgatg atttggtcg cgttttcgaa gaactgaaaa agattaagta atcatcacc 120
122 gacgttccat tccttattaa ctatttggtt ctcttcacc caattttttt ttcacgtgtc 180
123 tttttttgta tcataaatga gaccccaaaa aactagctgt ttcttagtgc atacgttaaa 240
124 acccctttag tcattgatta tcattgtata ctcattatc cgaaaaacct ttgcacattc 300
125 atcaactagg tttt 314
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129 <211> LENGTH: 189
130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe

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136 <400> SEQUENCE: 8
137 tctgagctag ggaccgaaat tcacaaatat ccaattgtta ctggatggtg gggatgtgga 60
138 cgatttaatg gggacaagcc actgaagtgt atgttatttc attcgtaaa tatgaagatg 120
139 gaggagagtg aatggggatt ttgcttcttt tgcaaaatgg cctccctatg tacctgaaaa 180
140 aaaaaaaaaa 189
143 <210> SEQ ID NO: 9
144 <211> LENGTH: 171
145 <212> TYPE: DNA
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
151 <400> SEQUENCE: 9
152 tctgagctag gaaaggacgg agaagatgga gagaacggag ctgctggagc cgctggacca 60
153 aagggatctt gcgaccactg cccaccacca cgcactcccc aggatattaa ttcacttctc 120
154 tctaatttta gtgaatctca ttctaataaa aagccgcccc aaaaaaaaaa a 171
157 <210> SEQ ID NO: 10
158 <211> LENGTH: 289
159 <212> TYPE: DNA
160 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
165 <400> SEQUENCE: 10
166 tttttttttt ttgagcgag cgtttattat ttgagtcgag cttgggttga gtcgtcagct 60
167 gaacatgaag attgacaaag aagacgatca gcagcaacag atgcgcagag tcgcattctt 120
168 tgcggttgc gtctcaactg cagccgcat ttcaagcatc gtgactctcc caatgatcta 180
169 ctcttactct tcaatcttct caatccatt tgatcattgg aaaccgagtt ctgtaaaact 240
170 gtgctcgtga tatgtggtgt cgaagttctc cacaagtcag gtgtaccct 289
173 <210> SEQ ID NO: 11
174 <211> LENGTH: 162
175 <212> TYPE: DNA
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
181 <400> SEQUENCE: 11
182 ctccaccgca acaagtgttc acgtggaaac aacaacgaaa ggaacatcat ctctatctct 60
183 gctgggtttc taatcattgt catttcagct ttaacgctat aatcaacaaa aacagtttat 120
184 tttattttta taaaaattta ttctgcaaa aaaaaaaaaa aa 162
187 <210> SEQ ID NO: 12
188 <211> LENGTH: 140
189 <212> TYPE: DNA
190 <213> ORGANISM: Artificial Sequence
192 <220> FEATURE:
193 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
195 <400> SEQUENCE: 12
196 tagggcctgg ttgtgacaat gtgcactaaa atggggcatg aatatcacca gcagagttca 60
197 cttacccaaa gtgtacttat taagagtcaa ctgtgaagta tatgagacat ttcagttgcc 120
198 tgcccaaaaa aaaaaaaaaa 140
201 <210> SEQ ID NO: 13
202 <211> LENGTH: 308

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203 <212> TYPE: DNA
204 <213> ORGANISM: Artificial Sequence
206 <220> FEATURE:
207 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
209 <400> SEQUENCE: 13
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211 aataacccgg atttttttagt ggtccccgca cgttgacctt ctggcgcgtc aggcactccg 120
212 ccgcgacatt cgcgcgacacg cctacaatcc acgtgtcaat cgtcagattt gcggatcaat 180
213 aatgggtgatg aaagggtggaa atacgtatat ggatcatgtt caaaggcatc aagctgaaca 240
214 attcgaagag ttgaatcggc gtcgacactt ttgatccaag accgtaagaa atttgaaagc 300
215 tattggtg 308
218 <210> SEQ ID NO: 14
219 <211> LENGTH: 238
220 <212> TYPE: DNA
221 <213> ORGANISM: Artificial Sequence
223 <220> FEATURE:
224 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
226 <400> SEQUENCE: 14
227 tttttttttt ttttggggag gaaatcacgg cttcggatgc aacagtcttc tctcaattgg 60
228 caactgtcta ttatccattc cgcaatcaca tttcggatgt tctcgaaaag gacttcccaa 120
229 agttattgga gtactgtgaa agagttcgtc atgaagttta cccaaggac tttactatgt 180
230 gaattaaatt gtcaaactag tagtcagatc aataaaattt tccgcgcgaa aaaaaaaaa 238
233 <210> SEQ ID NO: 15
234 <211> LENGTH: 324
235 <212> TYPE: DNA
236 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
241 <400> SEQUENCE: 15
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243 aataacccgg atttttttagt ggtccccgca cgttgacctt ctggcgcgct caggcactcc 120
244 gccgcgacat tcgcgcgacac gctacaatc cactgttcaa tcgtcagatt tgcggatcaa 180
245 taatgggtgat gaaagggtgga aatacgtata tggatcatgt tcaaaggcat caagctgaac 240
246 aattcgaaga gttgaatcgg cgtcgacaac tttttgatcc aagaccgtaa gaaatttgaa 300
247 agctattggt gaaaaaaaaa aaaa 324
250 <210> SEQ ID NO: 16
251 <211> LENGTH: 272
252 <212> TYPE: DNA
253 <213> ORGANISM: Artificial Sequence
255 <220> FEATURE:
256 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
258 <400> SEQUENCE: 16
259 tgggtactcca cgcagaaaga agaaggatcat ccacaacacc gctactaccg atgacaagaa 60
260 gcttcaaagc aatttgaaaga aactctctgt caccaacatt ccaggaatcg aggaggtcaa 120
261 catgattaag acgatggaac cgttatccac ttcaacaacc caaaagtcta aacctctgtt 180
262 cccagccaat accttctctg tcacaggatc agccgataac aagtcagatc actgaaatgt 240
263 ctcccaggga atgctgaact ggtcagagtc ct 272
266 <210> SEQ ID NO: 17
267 <211> LENGTH: 218

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268 <212> TYPE: DNA
269 <213> ORGANISM: Artificial Sequence
271 <220> FEATURE:
272 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
274 <400> SEQUENCE: 17
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276 ggcgttttta gtaccttagg atcgactgac ccacatccaa ctactgttcc acgtggaacc 120
277 cttctccact tcagtcttca aggatcgaac ttgaatattt gctactacca tacgatctgc 180
278 actgacggaa agtccagccg agcctacctc atagttaa 218
281 <210> SEQ ID NO: 18
282 <211> LENGTH: 238
283 <212> TYPE: DNA
284 <213> ORGANISM: Artificial Sequence
286 <220> FEATURE:
287 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
289 <400> SEQUENCE: 18
290 tttttttttt ttttgccggg cgggtgtgtac aaccggcagg gacgtaatca acgtgagctg 60
291 atgactcgcg cttactaggc attcctcgtt taagggaaca aattacaata ccctatcccg 120
292 gacatggaag aatttcaacg gtttaccgat acctttcaac acgggaaaac taccgggttg 180
293 gacaccatta ggactgacag attgaaagtc tttgtcgatt tgggtggttg ttgtgcat 238
296 <210> SEQ ID NO: 19
297 <211> LENGTH: 253
298 <212> TYPE: DNA
299 <213> ORGANISM: Artificial Sequence
301 <220> FEATURE:
302 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
304 <400> SEQUENCE: 19
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306 tggcggacta gtgattgtgc ttcttgcgga ccgtttctgg tgtgtgcttg gacctcggtt 120
307 ctagtatcct gatcgctcat ctatcaaccg tactgtaacc ggtacgactc agggaaatccg 180
308 actgtctaataaaaacagag gtgacagatg gtccttgcyg acgttaactg tcactgattt 240
309 ctccccagtg cac 253
312 <210> SEQ ID NO: 20
313 <211> LENGTH: 277
314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
320 <400> SEQUENCE: 20
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322 gatgactcac acttctaggc attcctcgtt taagggaata attacaatac ccatcccggg 120
323 catggaagaa tttcaacggt ttaccgatac cttttcggca acacgggaaa actcaccggg 180
324 tccggacacc attaggactg acagattgaa agctctttct cgatttggtg gttggtggtg 240
325 catggccggt cttagttggt ggagtaccaa tcactag 277
328 <210> SEQ ID NO: 21
329 <211> LENGTH: 216
330 <212> TYPE: DNA
331 <213> ORGANISM: Artificial Sequence
333 <220> FEATURE:

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VERIFICATION SUMMARY

DATE: 11/23/2001

PATENT APPLICATION: US/09/437,450A

TIME: 15:48:08

Input Set : A:\Sequence Listing.txt

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